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COURIER

Ms. Magalie Roman Salas
Secretary
Federal Communications Commission
Room 222
1919 M. Street, NW
Washington, DC 20554

RE: Ex Parte Presentation, CC Dockets 94-102

Dear Ms. Salas:

Pursuant to Section 1.1206 of the Commission's Rules, this will give notice that on September 25, 1998, Dennis A. Kahan and Sandy Mayer of SigmaOne Communications, met with the following to discuss the above-referenced proceedings:

John Cimko, Jr. (Wireless Telecommunications Bureau)
Ronald Netro (Wireless Telecommunications Bureau)
Won Kim (Wireless Telecommunications Bureau)
Nancy Boocker (Deputy Chief, Policy Division)
Barbara Reideler (Staff Attorney, Wireless Telecommunications Bureau)

The parties discussed the views expressed by SigmaOne and its Comments on the Further Notice of Proposed Rulemaking in CC Docket 94-102 and its Comments on the Petitions For Reconsideration of the December 1997 Memorandum Opinion and Order in that Docket and the topics presented in the attached Summary of Presentation.

Pursuant to Section 1.1206 an original and one copy of this letter and its attachment for each Docket are submitted herewith.

Should there be any questions regarding this matter, please contact SigmaOne Communications.

Sincerely,


Sandy Mayer

Copy: John Cimko, Jr.
Won Kim
Ronald Netro
Barbara Reideler
Nancy Boocker

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SEP 25 1998

FCC/DOCKET

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SIGMAONE

Summary of Meeting with FCC

September 25th
1998

SIGMAONE

SIGMAONE BACKGROUND

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SEP 25 1998
FCC MAIL ROOM



SIGMAONE'S EXPERIENCE



AVAILABLE LOCATION TECHNOLOGIES

- AOA — Angle of Arrival
- TDOA — Time Difference of Arrival
- GPS — Global Positioning System
- Ray Tracing — Multipath Fingerprinting

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COMMUNICATIONS

The SigmaOne Solution

A Combination of
AOA and TDOA

THE LEGACY ISSUE

- By the year 2001 the existing handset base is projected to reach 110,000,000
- All solutions - including the SigmaOne solution - must support all existing and future handsets for all air interfaces
- Network based solutions solve the problem
- Handset solutions including GPS ignore the problem

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THE CDMA CHALLENGE

- Tight power management limits the number of receiving basestations

MULTI-SITE CDMA SOLUTION

- SigmaOne's AOA/TDOA solution together with 30db breakthrough eliminates need for power "puf"
- Covers all current and future handsets

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UNIVERSAL COVERAGE

- Will a GPS solution create 2 classes of customers?
 - **The haves and the have nots**
 - Can GPS companies guarantee that all phones sold after October 2001 will have GPS capabilities?

UNIVERSAL COVERAGE : ROAMING

- All network based solutions always permit universal roaming
 - Network solutions are interoperable regardless of technology
 - Network solutions can locate GPS phones when a 911 signal is sent
- GPS solutions will not permit universal roaming
 - Carriers that adopt GPS based solutions cannot locate phones that do not have GPS capabilities
 - For example, if an LA carrier adopts a GPS only solution, a roamer from another carrier with a network based solution cannot obtain wireless E911 assistance in Los Angeles

NEXT STEPS

- Continue support for "Legacy" phones for all air interfaces
- Support "open interfaces" in order to encourage market competition
- Support October 2001 deadline

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